Claims

[c1]   What is claimed is:

1. A network fingerprint authentication system which comprising: a) multiple, remote, network connected network fingerprint sensors, b) a centralized server farm, operable to communicate with the network fingerprint sensors, and including a plurality of computer servers, each of which can simultaneously control, optimize, obtain fingerprint data, analyze fingerprint data , authenticate and verify the identities of the fingerprints for multiple remote network connected fingerprint sensors, and c) a communication network utilizing the TCP/IP (Transmission Control Protocol/Internet Protocol) protocol suite utilized by elements (a) and (b) above for communication.

[c2]   2. The system of claim 1 wherein the communication network can also be a wireless network protocol such as 802.11x, or BlueTooth.

[c3]   3. The system of claim 1 wherein the network fingerprint sensors rely on the centralized server for functional operations.

[c4]   4. The system of claim 1 wherein the network fingerprint sensor is comprised of a fingerprint capture subsystem and a network communication subsystem.

[c5]   5. The system of claim 1 wherein the network fingerprint sensors include elements for performing a serial or parallel to Ethernet (IEEE 802.3), or wireless bridging function.

[c6]   6. The system of claim 1 in which there is no physical connection to a computer.

[c7]   7. The system of claim 1 in which the network fingerprint sensor captures fingerprint data and sends it to the authentication server via a network.